

Contents *Ecological Modelling*, Vol. 54

A stochastic compartmental model for migration of marine shrimp W.E. Grant, J.H. Matis and T.H. Miller (College Station, TX, USA)	1
A simulation model representing effects on dietary energy/protein ratio and water temperature on growth of channel catfish (<i>Ictalurus punctatus</i>) M.P. Masser, W.E. Grant, W.H. Neill and E.H. Robinson (College Station, TX, USA)	17
Comprehensive sensitivity analysis of a bioeconomic stock-recruitment model M. Hildén (Helsinki, Finland) and V. Kaitala (Espoo, Finland)	37
Non-autonomous properties of decoupled systems: implications for the use of autonomous models R.E. Byers (Toronto, Ont., Canada)	59
Food-web simulation on parallel computers: Inter-processor communication benchmarks J. W. Haefner (Logan, UT, USA)	73
Dwarf shrub and graminoid responses to clipping, nitrogen and water: simplified simulations of biomass and nitrogen dynamics M.B. Coughenour (Fort Collins, CO, USA)	81
Simulating forest response to air pollution: Integrating physiological responses to sulphur dioxide with climate-dependent growth processes R.G. Kremer (Missoula, MT, USA)	111
SPES - a simulator for pure even-aged self-thinned stands L.S. Barreto (Lisboa, Portugal)	127
<i>Short communication</i>	
A method for simulating demographic stochasticity H.R. Akçakaya (Stony Brook, NY, USA)	133
<i>Letter to the Editor</i>	137
<i>Book Reviews</i>	143
Modelling nutrient retention of a freshwater coastal wetland: estimating the roles of primary productivity, sedimentation, resuspension and hydrology W.J. Mitsch and B.C. Reeder (Columbus, OH, USA)	151
Modelling temperature variation and thermal stratification in shallow aquaculture ponds T.M. Losordo and R.H. Piedrahita (Raleigh, NC, USA)	189
A stochastic, compartmental model of the migration of juvenile anadromous salmonids in the Columbia River Basin D.C. Lee (Washington, DC, USA)	227
A biomass-based model for the sand lance (<i>Ammodytes personatus</i>) in Seto Inland Sea, Japan M.J. Kishi, S. Kimura and H. Nakata (Tokyo, Japan)	247
Sensitivity analysis of a simple model food chain T. Wennekers and C. Giersch (Düsseldorf, Germany)	265
A simulation model of spruce budworm (Lepidoptera: Tortricidae) feeding on balsam fir and white spruce J. Regnière and M. You (Sainte-Foy, Que., Canada)	277

Simulation of host–parasite interactions within a resource management framework: impact of brucellosis on bison population dynamics M.J. Peterson, W.E. Grant and D.S. Davis (College Station, TX, USA)	299
<i>Announcement and Call for Papers</i>	321
<i>Author Index</i>	322

